

#### ABSTRACT OF THE DISCLOSURE

- A human-machine interface system is designed based on the distributed object model and is configured using application nodes, service nodes and composite nodes interconnected with a network. Herein, human-machine interface functions are
- 5 actualized in forms of distributed objects allocated to the nodes and are realized by mediating interaction between the nodes (or devices). Thus, a human user is able to control an application node to perform a prescribed application by activating a specific service (e.g., speech recognition and speech synthesis) of a service node on the network. Because of the adequate distribution of the objects to the nodes, it is
  - 10 possible to reduce the cost per each device in installation of the human-machine interface system on the network. In addition, operation information regarding the human-machine interface system is commonly shared between the devices, which secures the same feeling of manipulation between the different devices.

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